

SEC III - Technical Guide
Guidance Documents - Cropland
GUIDANCE DOCUMENT

Present Resource Condition

Location: MLRA 103
Soils: 62D2 Storden Loam
Slope: 12 **Slope Length:** 150ft
Land Use: Cropland (Corn-Soybeans)
Applied Practices: None
Tillage Operation: Fall Mulch Corn, 20%
Spr Mulch Beans 10%

Identified Problems:

Sheet and rill erosion is 15 tons/acre. Ephemeral gullies are present. Pesticides and nutrients contaminate surface and groundwater. Pheasant population is well below potential and habitat diversity is limited.

	SOIL				WATER				AIR		ANIMALS	
	RESOURCE CONCERN	Eros.	Cond.	Depos.	Quan.	Qual.			Quality	Habitat		
Practices				Dam-age								
Present Condition		SIG-	SIG-	SL-	0	SIG-	0	MOD-	SIG-	MOD-	0	0
Alternative. #1												
329 Cons. Tillage	SIG+	MOD+	MOD+	0	MOD+	MOD+	SL+	SL+	MOD+	SIG+	0	SL+
No Till Corn 40%												
No Till Beans 60%												
585 Buffer Strips	SIG+	MOD+	SL+	0	MOD+	MOD+	SL+	SIG+	MOD+	SL+	0	SIG+
Field 20% sod												
412 Grass Waterway	0	SIG+	0	0	SL+	MOD+	SL+	SL+	MOD+	0	0	MOD+
590 Nutr. Mgmt.	0	0	0	0	0	0	0	SIG+	0	0	0	0
595 Pest Mgmt.	0	0	0	0	0	NA	SIG+	0	0	0	SL+	SL-
Supplemental Practices (Streams/Rivers present)												
393 Filter Strip	0	0	0	0	SIG+	SIG+	SIG+	SIG+	SL+	SL+	MOD+	
391 Riparian Forest Buffer	0	0	0	0	SIG+	SIG+	SIG+	SIG+	SL+	SL+	MOD+	

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The values are recorded using NA = Not Applicable; + = Positive effect; - = Negative effect; 0 = negligible effects.
The modifiers SL = Slight; MOD = Moderate; or SIG = Significant denote the range of effects.

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RESOURCE CONCERNS	SOIL					WATER			AIR		ANIM	
	Eros.	Cond.	Depos.	Quan.	Qual.	Pest.	Nutr-	Sedi-	Part-	Chem.	Habitat	
	Dam-	age	Com-	Excess	Runoff	ient	ment	icles	Drift	Cover/		
Practices	Sheet & Rill	Ephemeral	Tilth	pac-tion	Off-site	Excess Runoff	Pest. Runoff	Nutr-ient	Sedi-ment	Part-icles	Chem. Drift	Cover/ Shelter
Present Condition	SIG-	SIG-	SL-	MOD-	SIG-	MOD-	MOD-	SIG-	MOD-	0	0	SL-
Alternative. #2												
328 Crop Rotation	SIG+	SIG+	SIG+	MOD+	MOD+	MOD+	MOD+	SIG+	SIG+	SL+	SL+	SL+
C-B-O-M-M-M-M												
329 Cons. Tillage	MOD+	SL+	MOD+	MOD+	MOD+	MOD+	SL+	SL+	MOD+	SIG+	0	SL+
No Till Corn 40%												
No Till Beans 60%												
Spr. Plow Meadow												
412 Grass Waterway	0	SIG+	0	0	MOD+	MOD+	SL+	MOD+	MOD+	0	0	MOD+
590 Nutr. Mgmt.	0	0	0	0	0	0	0	SIG+	0	0	0	0
595 Pest Mgmt.	0	0	0	0	0	NA	SIG+	0	0	0	SL+	SL-
Supplemental Practices (Streams/Rivers present)												
393 Filter Strip	0	0	0	0	SIG+	SIG+	SIG+	SIG+	SL+	SL+	MOD+	
391 Riparian Forest Buffer	0	0	0	0	SIG+	SIG+	SIG+	SIG+	SL+	SL+	MOD+	

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